

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/001577

A. CLASSIFICATION OF SUBJECT MATTER												
Int. Cl. <sup>7</sup> : C12N 1/00, 1/20, 1/26, 1/38.												
According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED												
Minimum documentation searched (classification system followed by classification symbols) See Electronic databases												
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched See Electronic databases												
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIDS, MedLine, CA, BIOSIS: chemostat/batch culture/bioreactor, bacterial/microbial pool/community/population, enrich/select, monitor. GOOGLE: Bioreactor/chemostat, monitor												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X	Acha, V.; Meurens, M.; Naveau, H.; Agathos, S. N. Detoxification of a mixture of aliphatic chlorinated hydrocarbons in a fixed-bed bioreactor : continuous on-line monitoring via an attenuated total reflection-Fourier transform infrared sensor. Water Science and Technology (1999), 40(8), 41-47	1-25										
X	Stuart S L; Woods S L. Kinetic evidence for pentachlorophenol-dependent growth of a dehalogenating population in a pentachlorophenol- and acetate-fed methanogenic culture. Biotech and Bioeng, 1998. 57(4): 420-429.	1-25										
X	Belco CellTrol II Control Modules <a href="http://www.bellcoglass.com/us/7803-81102.shtml">http://www.bellcoglass.com/us/7803-81102.shtml</a> . 31 August 2003 <a href="http://www.archive.org/">http://www.archive.org/</a> used to establish the publication date of the document	1-25										
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex												
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
"A" document defining the general state of the art which is not considered to be of particular relevance	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention											
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone											
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art											
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family											
"P" document published prior to the international filing date but later than the priority date claimed												
Date of the actual completion of the international search 10 February 2005		Date of mailing of the international search report 28 FEB 2005										
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  Gillian Allen Telephone No : (02) 6283 2266										

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BioNet Utility Tower (Single, Dual, or Quad)</p> <p><a href="http://www.broadleyjames.com/bionet-tower.html">http://www.broadleyjames.com/bionet-tower.html</a>. 2 October 2003</p> <p><a href="http://www.archive.org/">http://www.archive.org/</a> used to establish the publication date of the document</p>	1-25